

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064658.D
 Acq On : 31 Oct 2025 16:12
 Operator : RC/JU
 Sample : Q3504-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 16:51:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

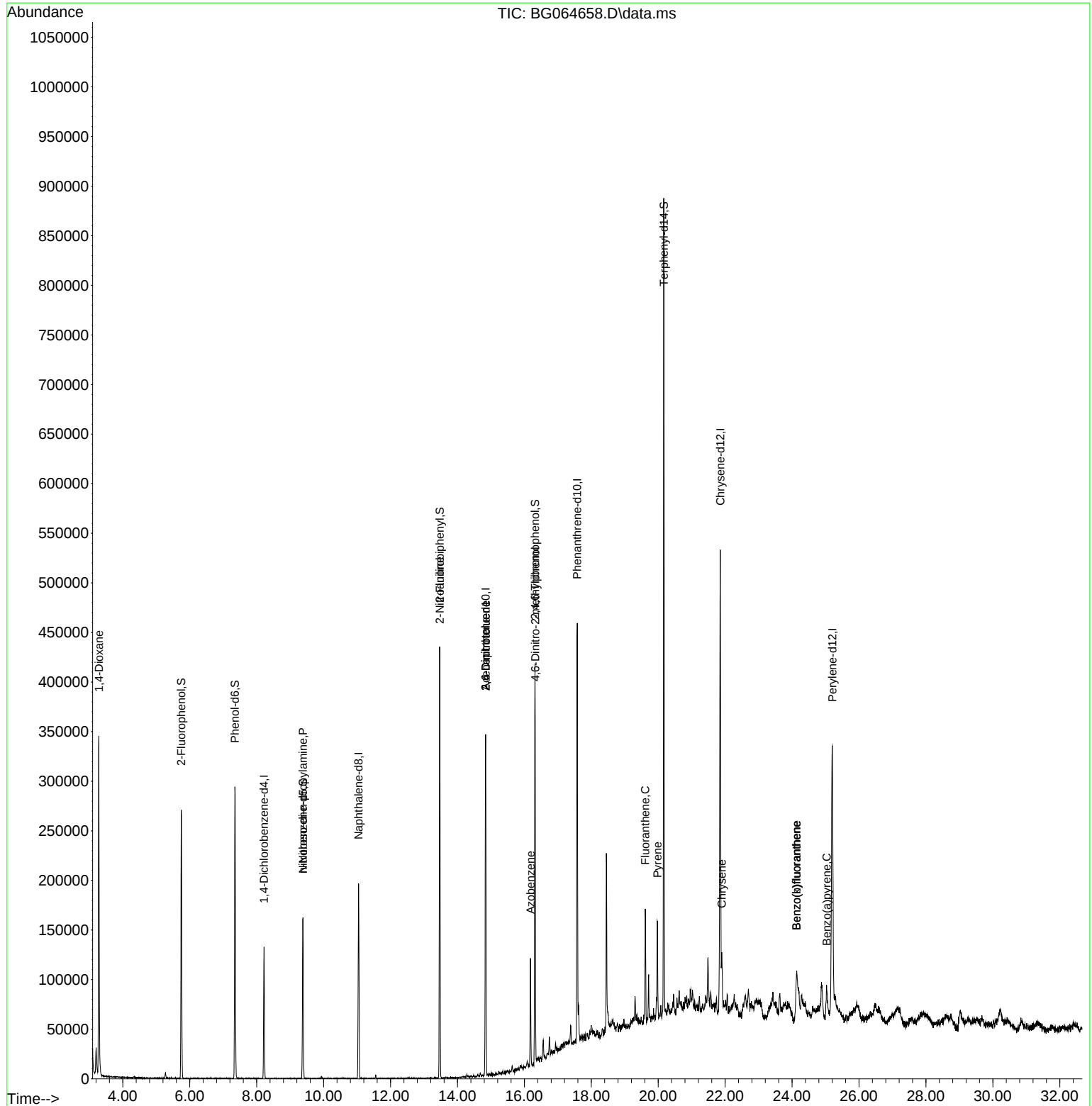
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	37238	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	160642	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	127037	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	274228	20.000	ng	0.00
76) Chrysene-d12	21.851	240	299375	20.000	ng	-0.01
86) Perylene-d12	25.200	264	333305	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	109550	49.379	ng	0.00
7) Phenol-d6	7.351	99	163372	53.665	ng	0.00
23) Nitrobenzene-d5	9.383	82	95490	35.703	ng	0.00
42) 2,4,6-Tribromophenol	16.317	330	86658	47.263	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	231156	27.580	ng	-0.01
79) Terphenyl-d14	20.165	244	436462	27.513	ng	-0.01
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.285	88	2861	2.913	ng	# 1
19) n-Nitroso-di-n-propyla...	9.383	70	12709	6.041	ng	# 66
48) 2-Nitroaniline	13.473	65	331	3.360	ng	# 1
51) 2,6-Dinitrotoluene	14.842	165	15807	12.393	ng	# 20
57) 2,4-Dinitrotoluene	14.842	165	15807	9.020	ng	# 23
63) Azobenzene	16.181	77	31235	3.430	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.322	198	87	5.491	ng	# 53
75) Fluoranthene	19.613	202	73337	3.904	ng	98
78) Pyrene	19.977	202	63006	3.221	ng	98
83) Chrysene	21.898	228	40607	2.150	ng	# 90
88) Benzo(b)fluoranthene	24.131	252	56626	2.771	ng	# 97
89) Benzo(k)fluoranthene	24.131	252	56626	2.769	ng	# 95
90) Benzo(a)pyrene	25.036	252	39679	2.112	ng	94

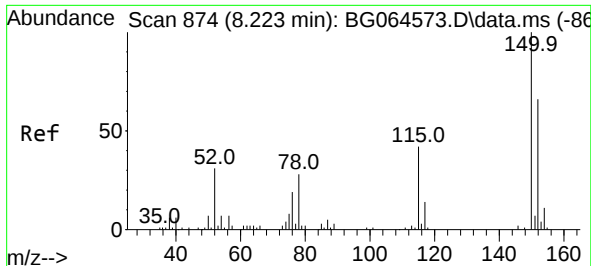
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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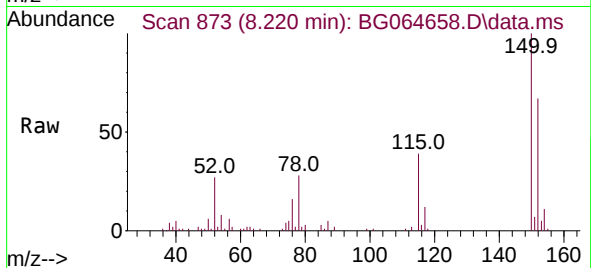
Quant Time: Oct 31 16:51:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
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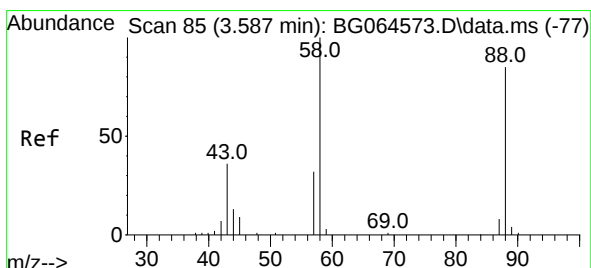
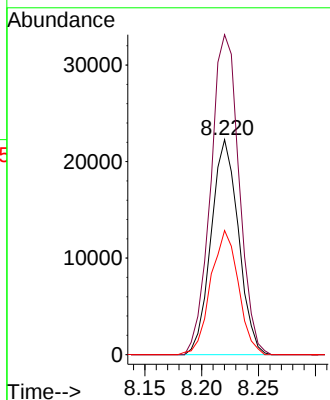
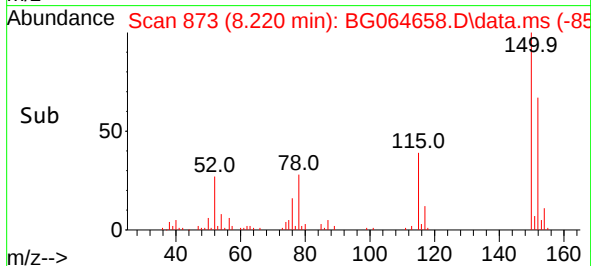


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

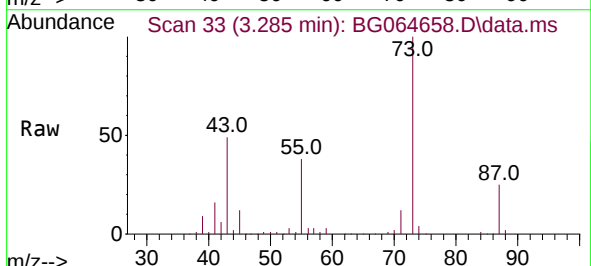
Instrument :
BNA_G
ClientSampleId :



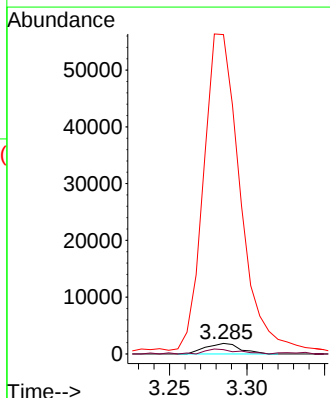
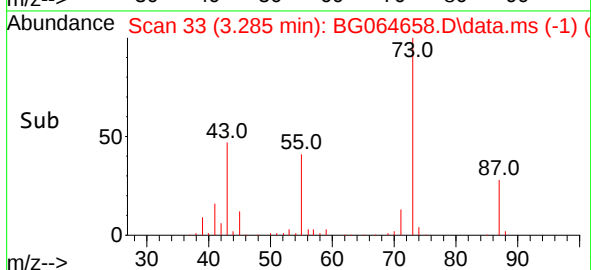
Tgt Ion:152 Resp: 37238
Ion Ratio Lower Upper
152 100
150 148.8 122.2 183.4
115 57.7 50.8 76.2

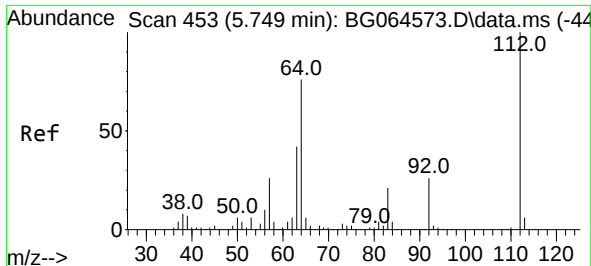


#2
1,4-Dioxane
Concen: 2.913 ng
RT: 3.285 min Scan# 33
Delta R.T. -0.306 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12



Tgt Ion: 88 Resp: 2861
Ion Ratio Lower Upper
88 100
58 43.9 92.4 138.6#
43 3231.6 33.0 49.6#

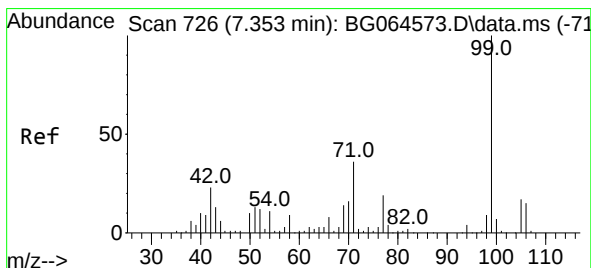
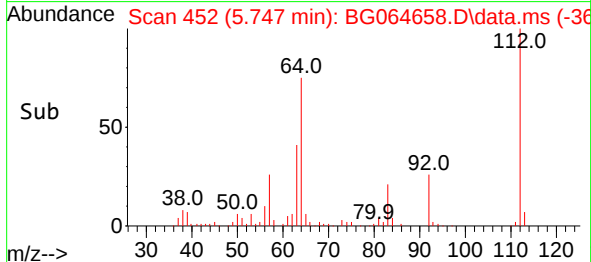
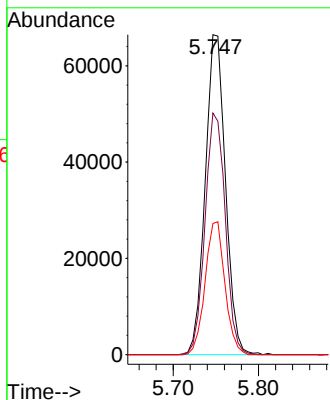
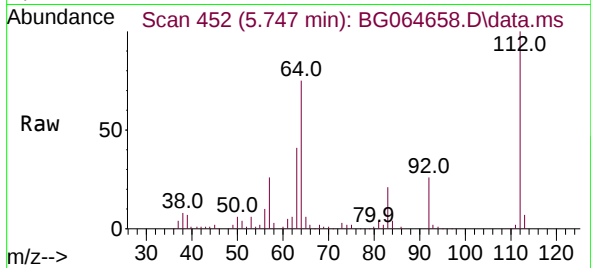




#5
2-Fluorophenol
Concen: 49.379 ng
RT: 5.747 min Scan# 452
Delta R.T. -0.000 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

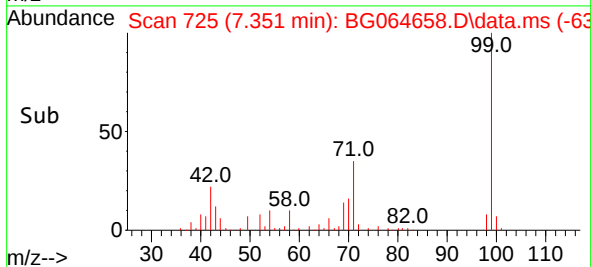
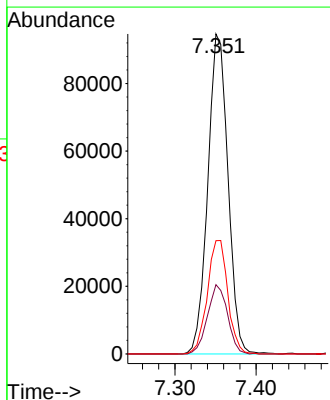
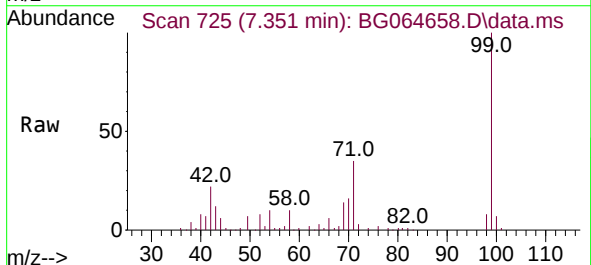
Instrument :
BNA_G
ClientSampleId :

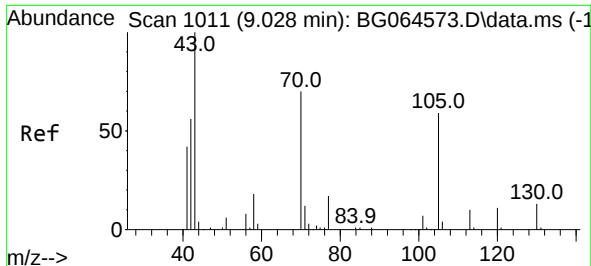
Tgt Ion:112 Resp: 109550
Ion Ratio Lower Upper
112 100
64 75.5 60.7 91.1
63 41.0 33.4 50.0



#7
Phenol-d6
Concen: 53.665 ng
RT: 7.351 min Scan# 725
Delta R.T. -0.006 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

Tgt Ion: 99 Resp: 163372
Ion Ratio Lower Upper
99 100
42 21.6 18.3 27.5
71 35.4 28.6 43.0

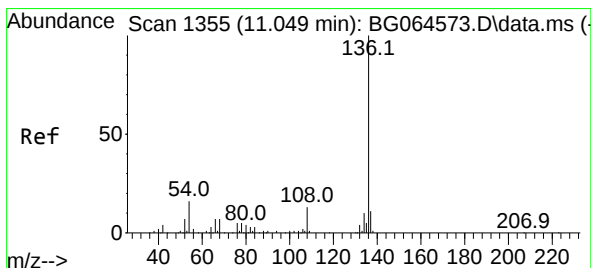
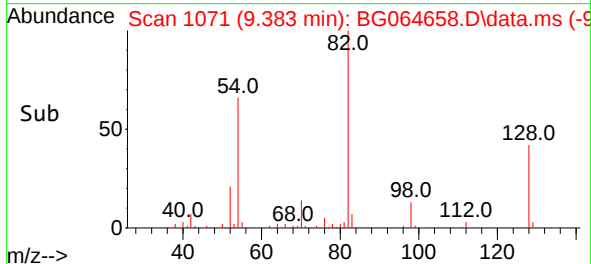
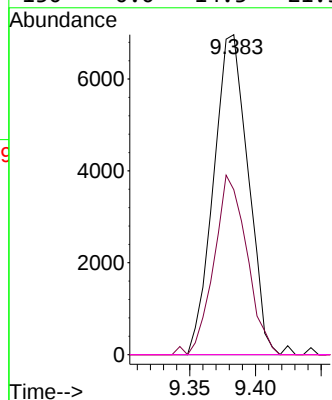
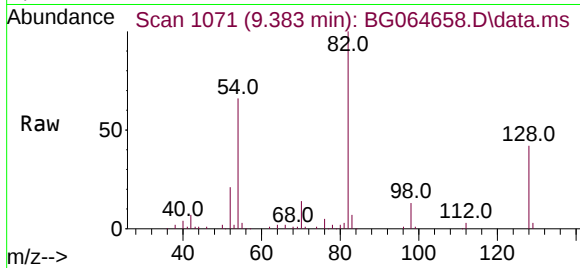




#19
n-Nitroso-di-n-propylamine
Concen: 6.041 ng
RT: 9.383 min Scan# 1011
Delta R.T. 0.352 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

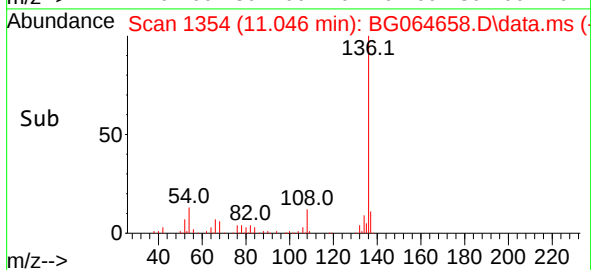
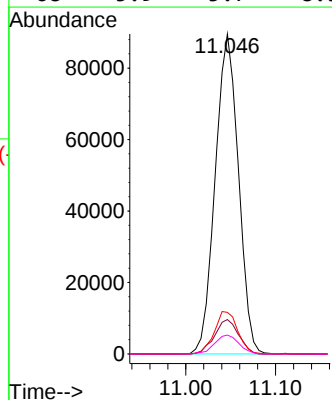
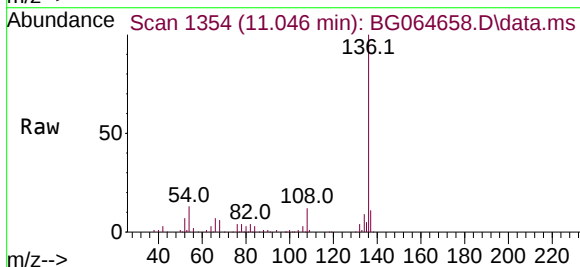
Instrument :
BNA_G
ClientSampleId :

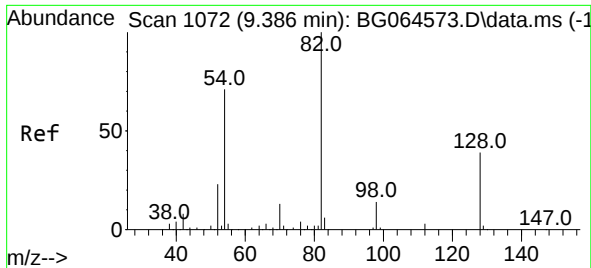
Tgt Ion:	70	Resp:	12709
Ion	Ratio	Lower	Upper
70	100		
42	51.5	65.2	97.8#
101	0.0	7.9	11.9#
130	0.0	14.3	21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

Tgt Ion:	136	Resp:	160642
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	13.0	12.6	19.0
68	5.9	5.7	8.5

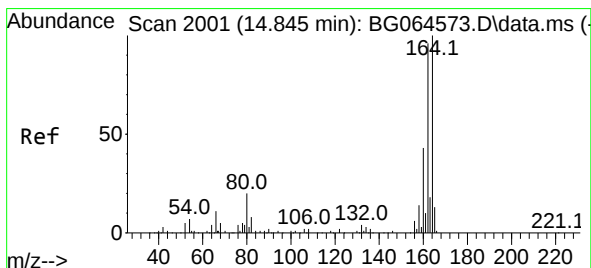
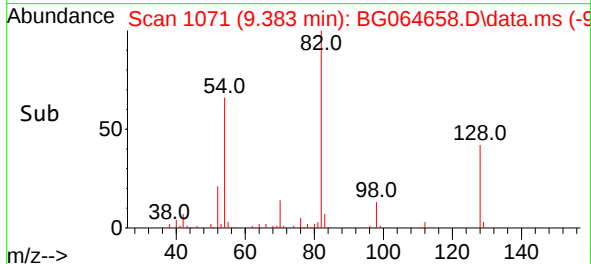
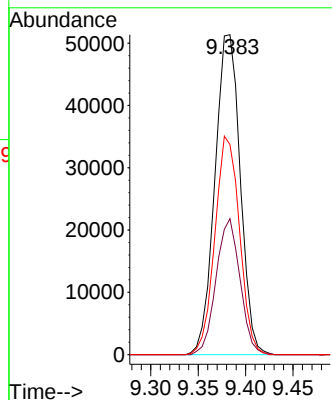
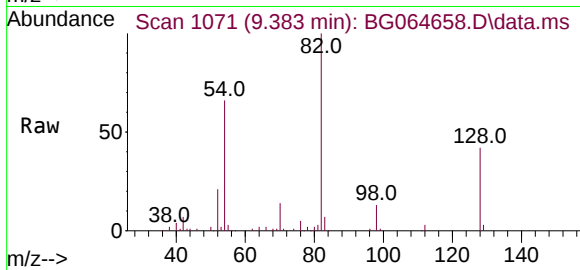




#23
Nitrobenzene-d5
Concen: 35.703 ng
RT: 9.383 min Scan# 10
Delta R.T. -0.007 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

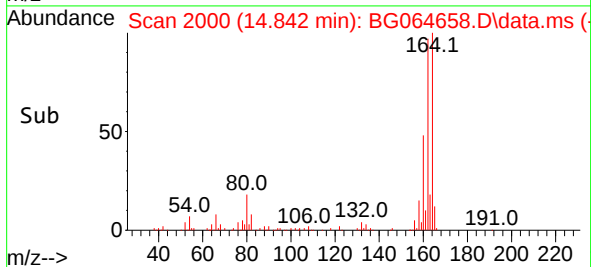
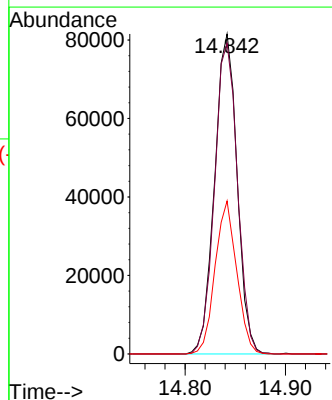
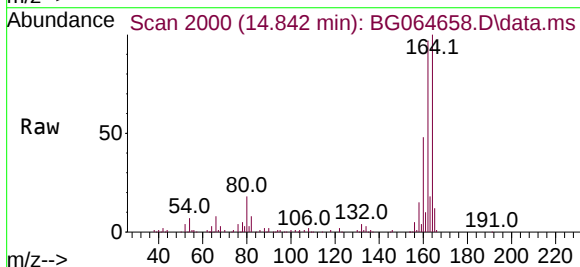
Instrument :
BNA_G
ClientSampleId :

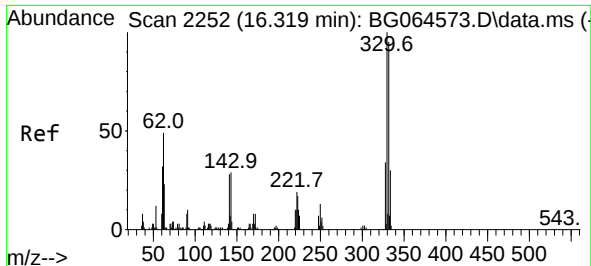
Tgt Ion: 82 Resp: 95490
Ion Ratio Lower Upper
82 100
128 42.5 31.3 46.9
54 65.6 56.6 84.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

Tgt Ion: 164 Resp: 127037
Ion Ratio Lower Upper
164 100
162 97.1 77.0 115.6
160 47.8 34.4 51.6

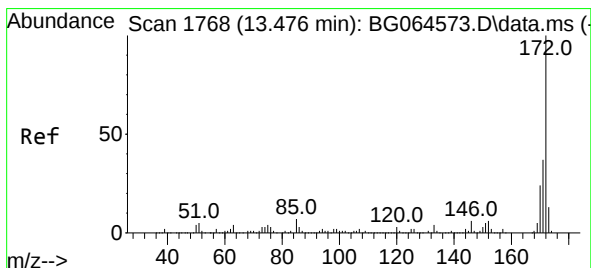
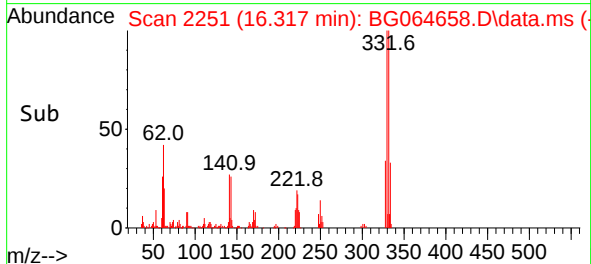
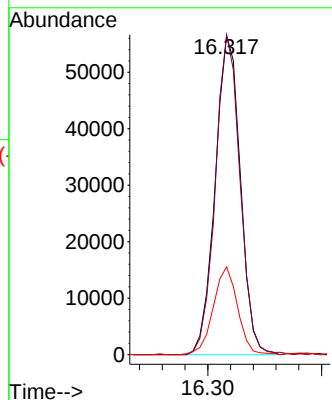
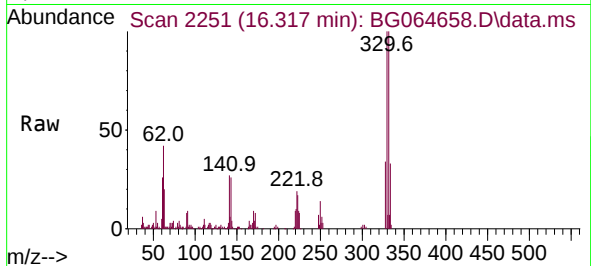




#42
2,4,6-Tribromophenol
Concen: 47.263 ng
RT: 16.317 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

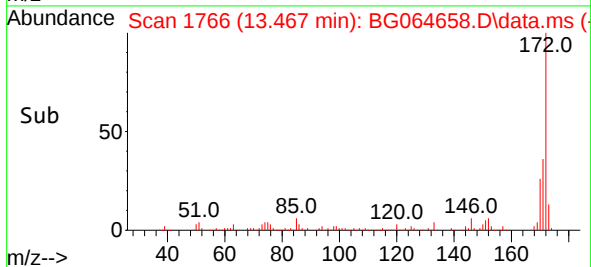
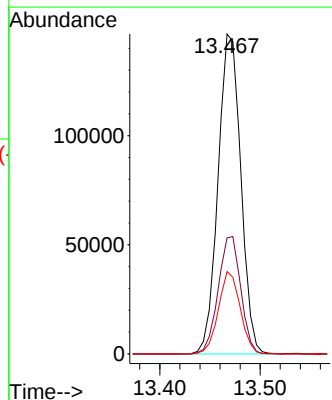
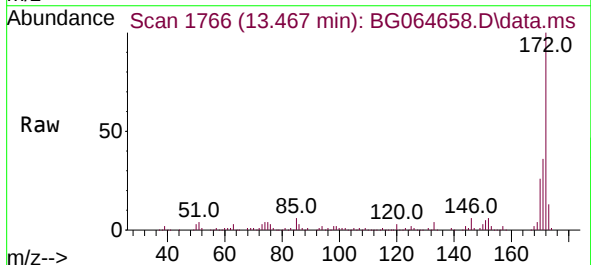
Instrument :
BNA_G
ClientSampleId :

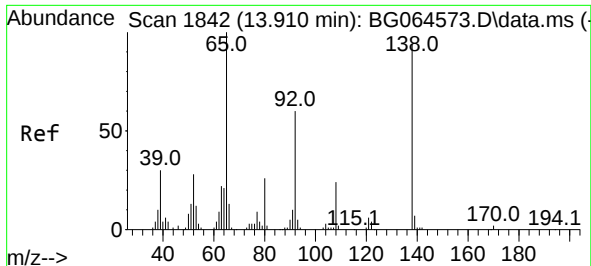
Tgt Ion:330 Resp: 86658
Ion Ratio Lower Upper
330 100
332 98.2 78.0 117.0
141 26.6 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 27.580 ng
RT: 13.467 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

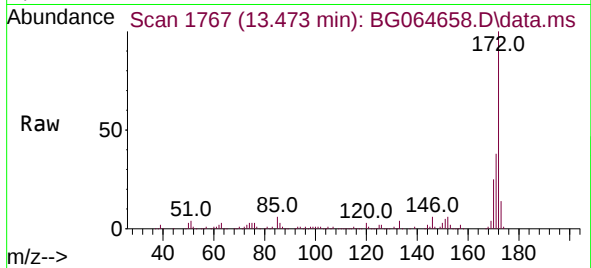
Tgt Ion:172 Resp: 231156
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 25.7 19.1 28.7



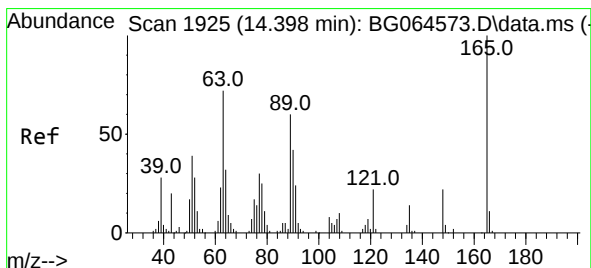
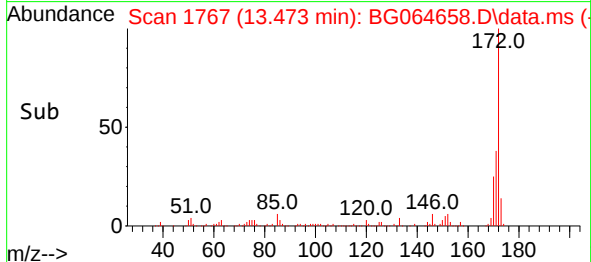
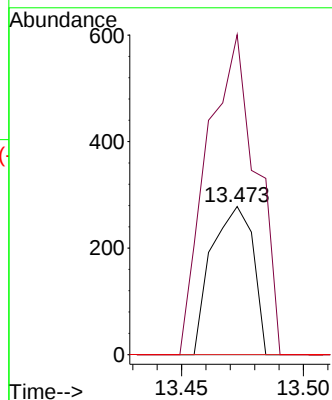


#48
2-Nitroaniline
Concen: 3.360 ng
RT: 13.473 min Scan# 11
Delta R.T. -0.441 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

Instrument :
BNA_G
ClientSampleId :

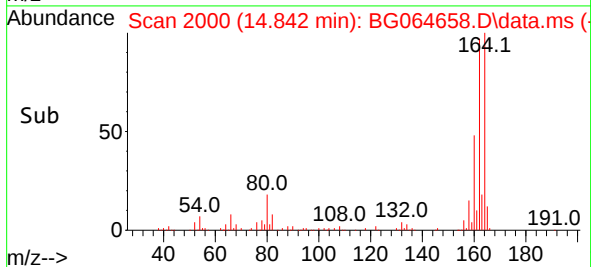
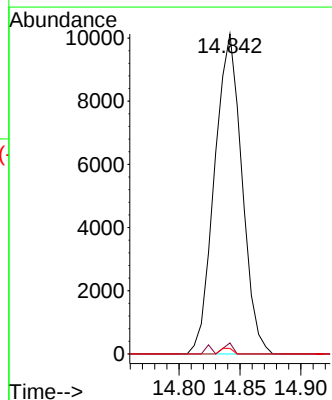
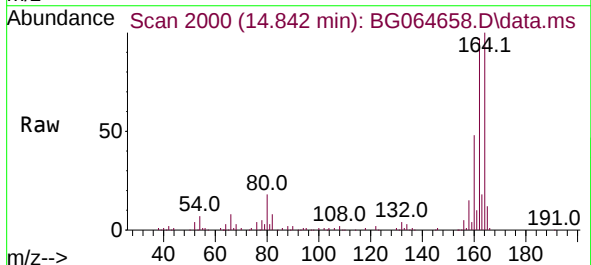


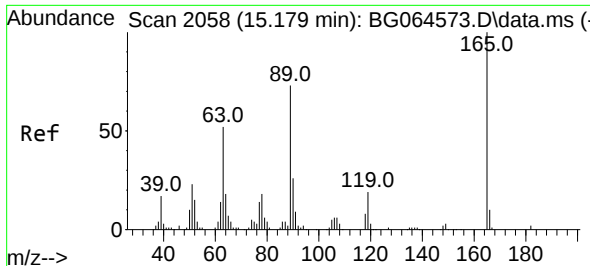
Tgt Ion: 65 Resp: 331
Ion Ratio Lower Upper
65 100
92 216.2 48.3 72.5#
138 0.0 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 12.393 ng
RT: 14.842 min Scan# 2000
Delta R.T. 0.440 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

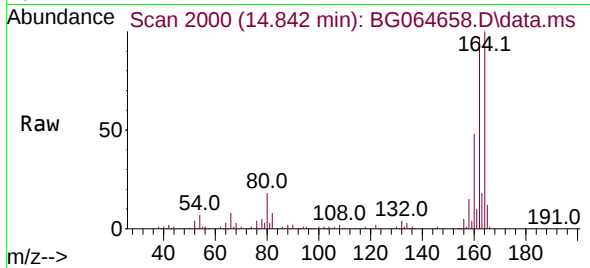
Tgt Ion:165 Resp: 15807
Ion Ratio Lower Upper
165 100
63 3.4 57.4 86.0#
89 1.7 47.8 71.8#



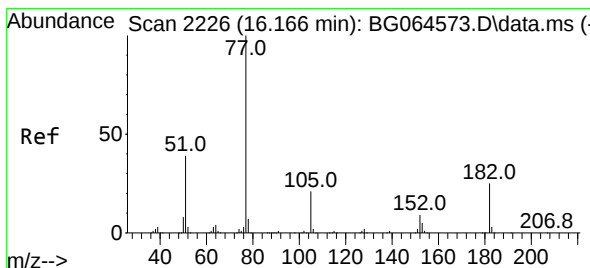
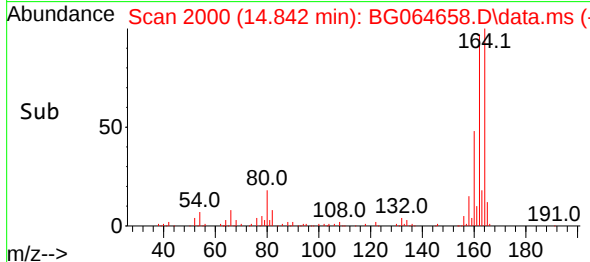
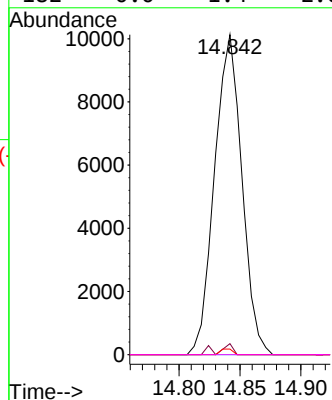


#57
 2,4-Dinitrotoluene
 Concen: 9.020 ng
 RT: 14.842 min Scan# 2058
 Delta R.T. -0.347 min
 Lab File: BG064658.D
 Acq: 31 Oct 2025 16:12

Instrument :
 BNA_G
 ClientSampleId :

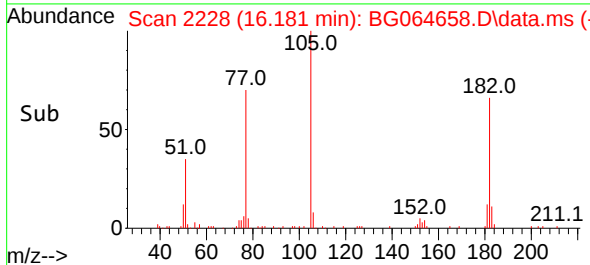
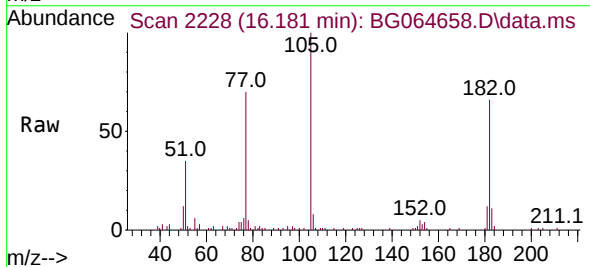
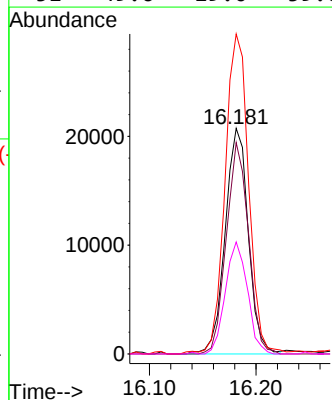


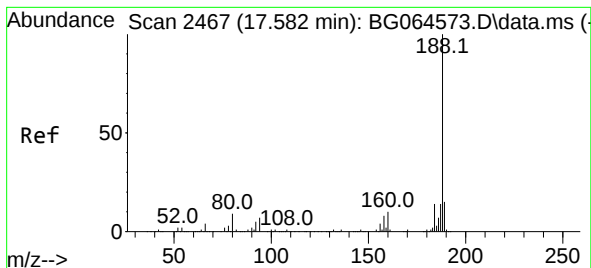
Tgt Ion:165	Resp:	15807
Ion	Ratio	Lower Upper
165	100	
63	3.4	41.8 62.8#
89	1.7	58.1 87.1#
182	0.0	1.4 2.0#



#63
 Azobenzene
 Concen: 3.430 ng
 RT: 16.181 min Scan# 2228
 Delta R.T. 0.011 min
 Lab File: BG064658.D
 Acq: 31 Oct 2025 16:12

Tgt Ion: 77	Resp:	31235
Ion	Ratio	Lower Upper
77	100	
182	93.7	4.9 44.9#
105	141.9	1.3 41.3#
51	49.6	19.0 59.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.580 min Scan# 24

Delta R.T. -0.000 min

Lab File: BG064658.D

Acq: 31 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

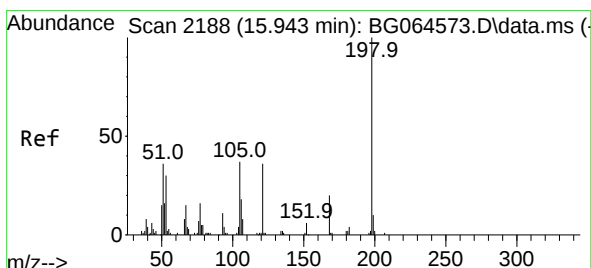
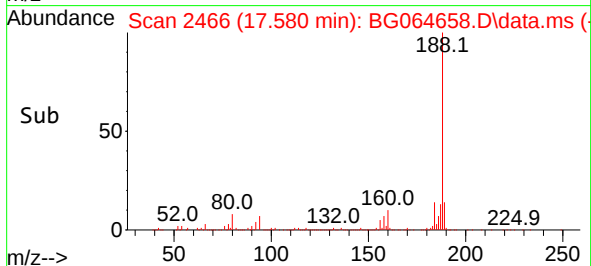
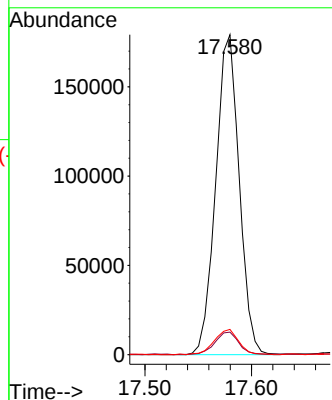
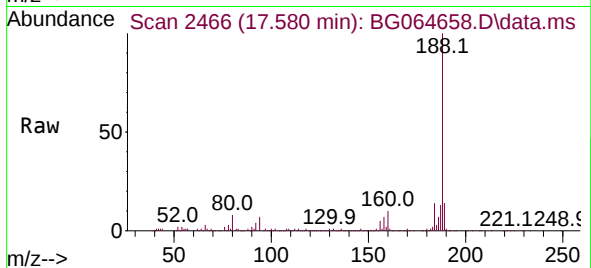
Tgt Ion:188 Resp: 274228

Ion Ratio Lower Upper

188 100

94 7.0 5.7 8.5

80 7.9 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.491 ng

RT: 16.322 min Scan# 2252

Delta R.T. 0.375 min

Lab File: BG064658.D

Acq: 31 Oct 2025 16:12

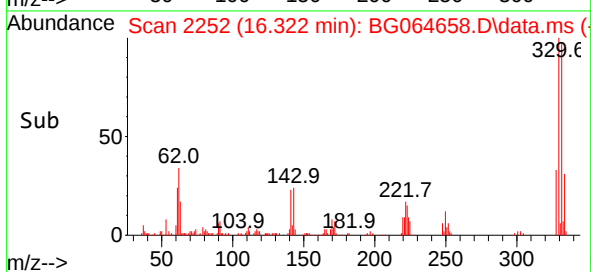
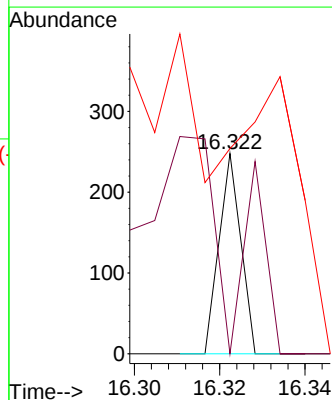
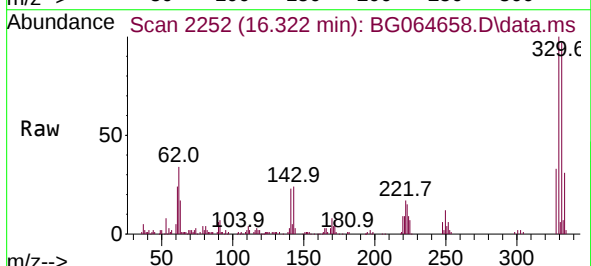
Tgt Ion:198 Resp: 87

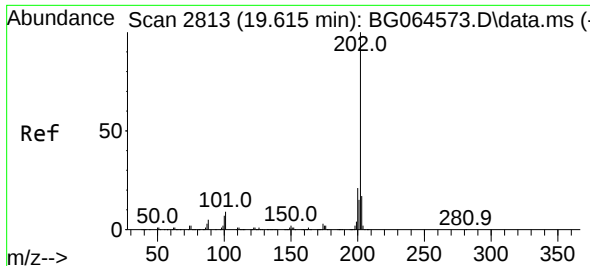
Ion Ratio Lower Upper

198 100

51 0.0 24.7 64.7#

105 24.8 18.0 58.0

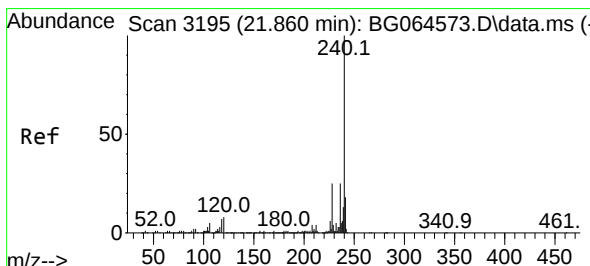
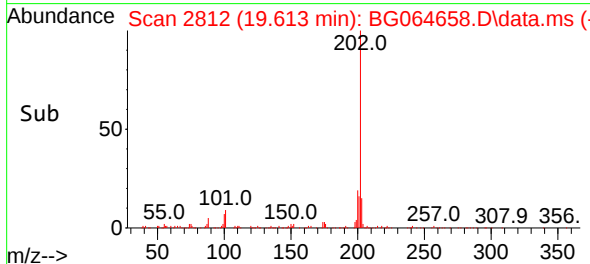
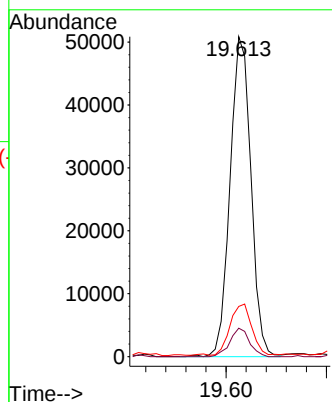
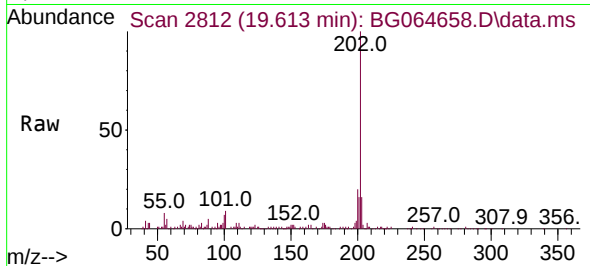




#75
Fluoranthene
Concen: 3.904 ng
RT: 19.613 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

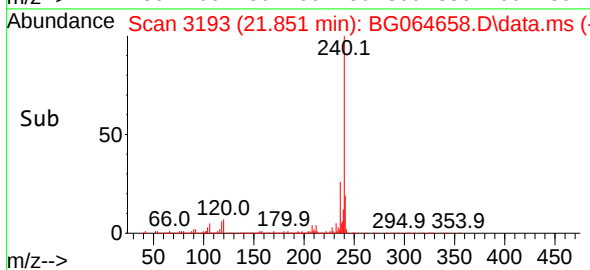
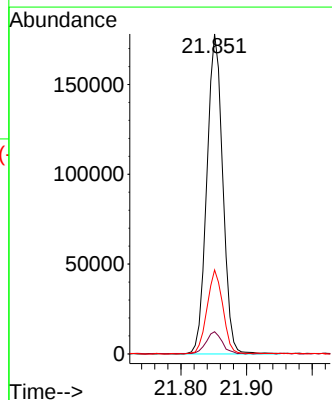
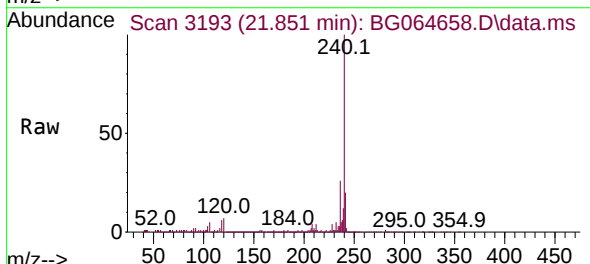
Instrument :
BNA_G
ClientSampleId :

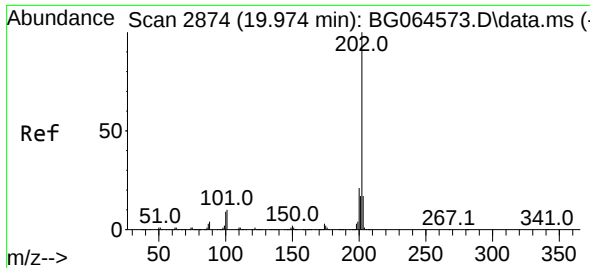
Tgt Ion:202 Resp: 73337
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.7
203 15.7 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

Tgt Ion:240 Resp: 299375
Ion Ratio Lower Upper
240 100
120 6.9 6.5 9.7
236 26.2 20.2 30.2

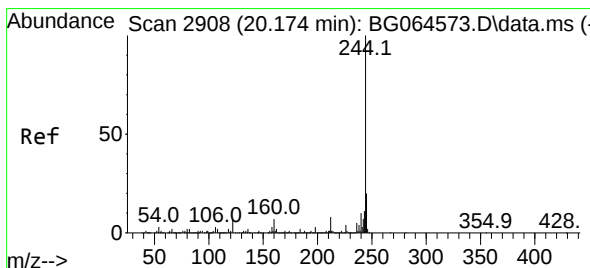
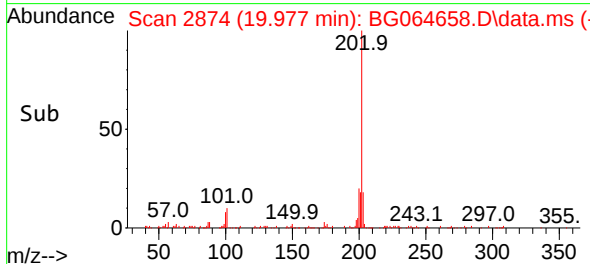
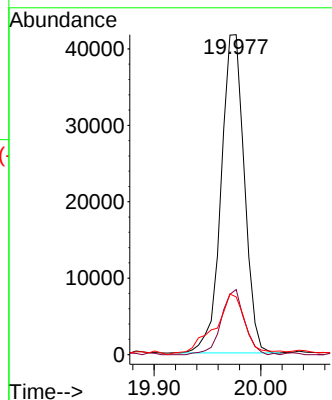
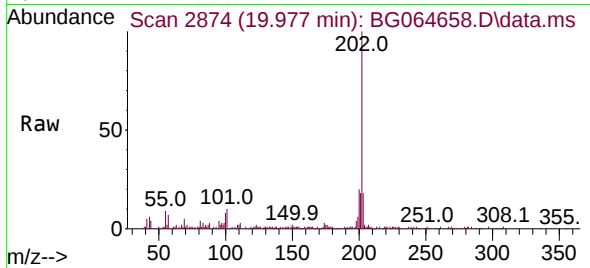




#78
 Pyrene
 Concen: 3.221 ng
 RT: 19.977 min Scan# 2874
 Delta R.T. -0.000 min
 Lab File: BG064658.D
 Acq: 31 Oct 2025 16:12

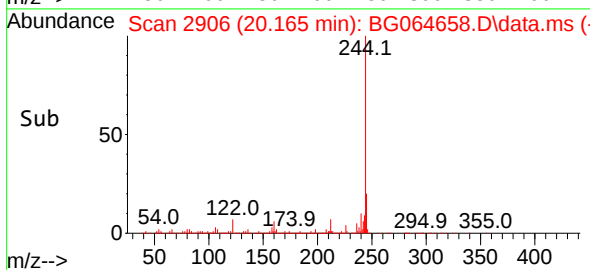
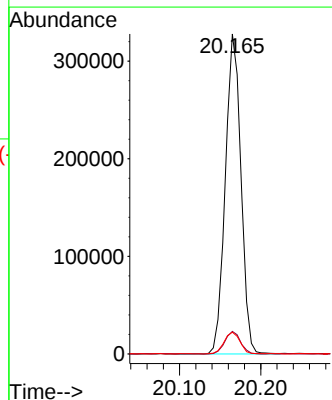
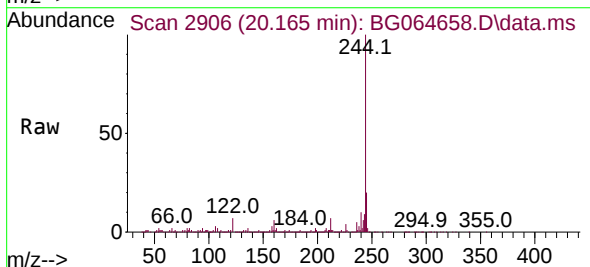
Instrument :
 BNA_G
 ClientSampleId :

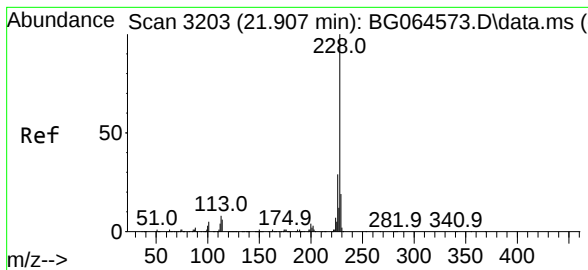
Tgt Ion:202	Resp:	63006
Ion Ratio	Lower	Upper
202	100	
200	20.3	17.0 25.4
203	18.0	13.8 20.6



#79
 Terphenyl-d14
 Concen: 27.513 ng
 RT: 20.165 min Scan# 2906
 Delta R.T. -0.012 min
 Lab File: BG064658.D
 Acq: 31 Oct 2025 16:12

Tgt Ion:244	Resp:	436462
Ion Ratio	Lower	Upper
244	100	
212	7.0	6.1 9.1
122	6.8	5.6 8.4





#83

Chrysene

Concen: 2.150 ng

RT: 21.898 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG064658.D

Acq: 31 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

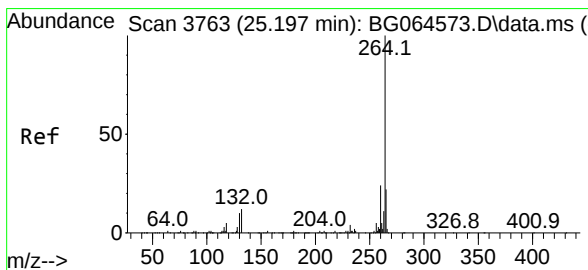
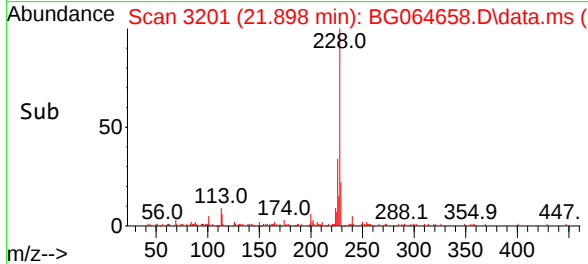
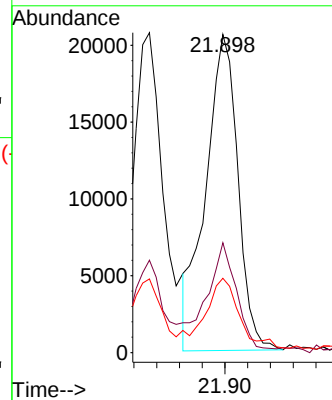
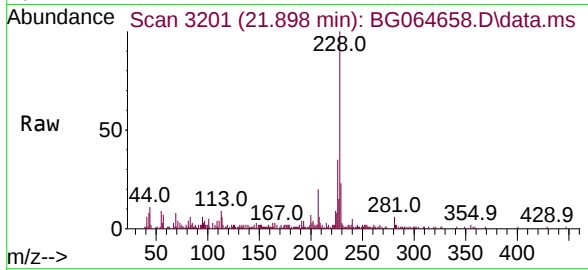
Tgt Ion:228 Resp: 40607

Ion Ratio Lower Upper

228 100

226 34.5 23.3 34.9

229 23.4 15.2 22.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.200 min Scan# 3763

Delta R.T. -0.000 min

Lab File: BG064658.D

Acq: 31 Oct 2025 16:12

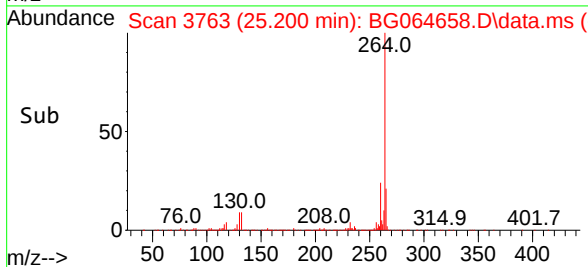
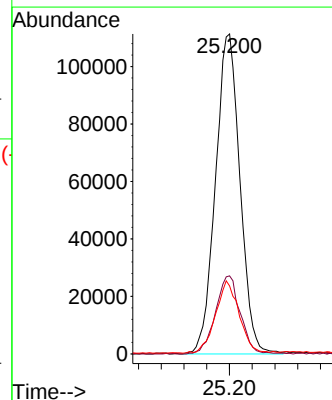
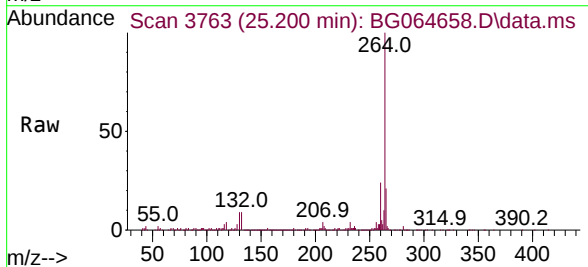
Tgt Ion:264 Resp: 333305

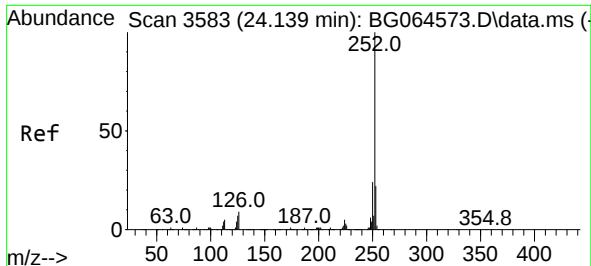
Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.4

265 21.2 17.6 26.4

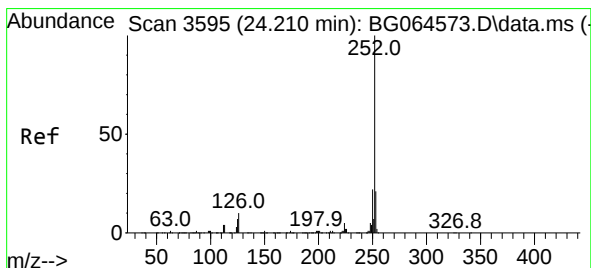
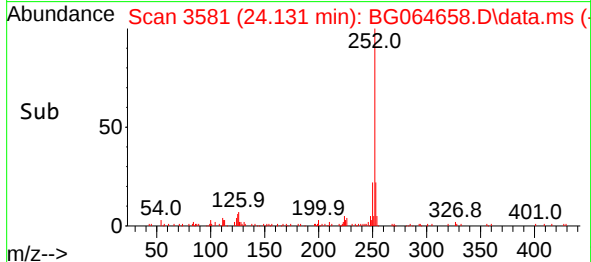
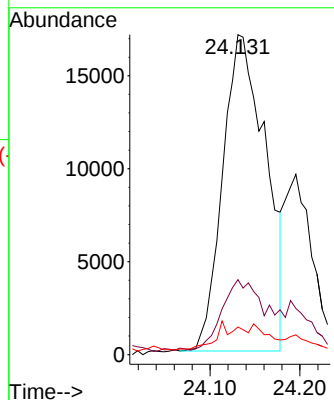
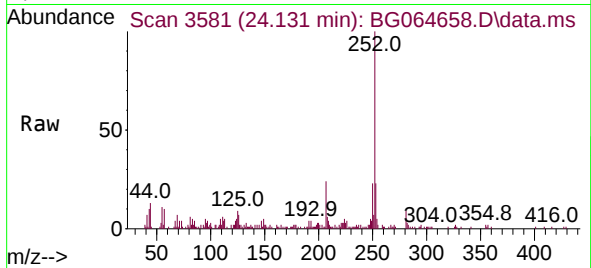




#88
Benzo(b)fluoranthene
Concen: 2.771 ng
RT: 24.131 min Scan# 3581
Delta R.T. -0.012 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

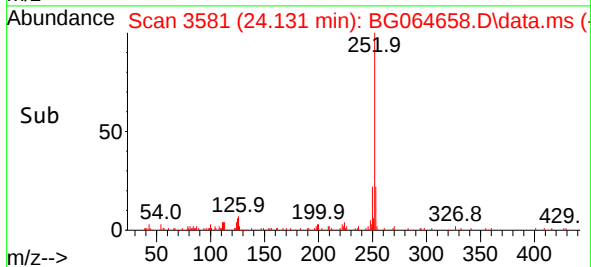
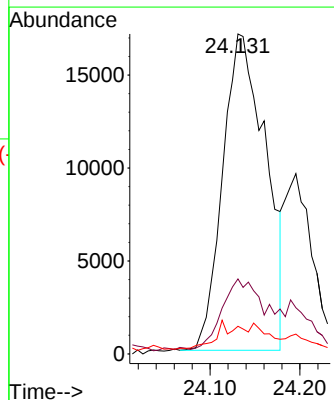
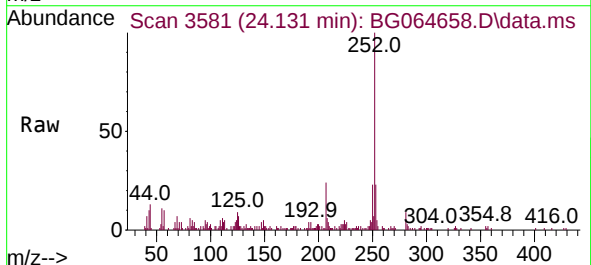
Instrument :
BNA_G
ClientSampleId :

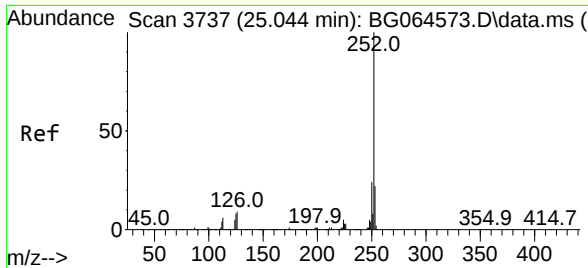
Tgt Ion:252 Resp: 56626
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 8.6 5.6 8.4#



#89
Benzo(k)fluoranthene
Concen: 2.769 ng
RT: 24.131 min Scan# 3581
Delta R.T. -0.089 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

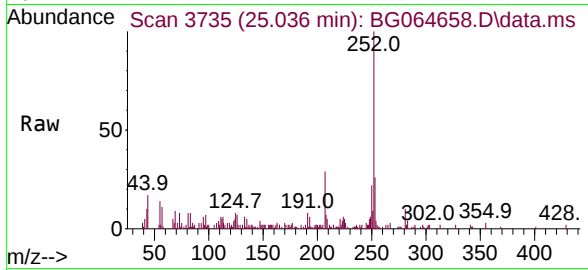
Tgt Ion:252 Resp: 56626
Ion Ratio Lower Upper
252 100
253 23.4 16.8 25.2
125 8.6 5.4 8.0#





#90
 Benzo(a)pyrene
 Concen: 2.112 ng
 RT: 25.036 min Scan# 31
 Delta R.T. -0.024 min
 Lab File: BG064658.D
 Acq: 31 Oct 2025 16:12

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:252 Resp: 39679

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.6	26.4
125	7.5	6.1	9.1

